



Australian Government

Assessment Requirements for PUA FIR325

Operate heavy plant in fire control operations

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the PUA Public Safety Training Package.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements, performance criteria and range of conditions on at least one occasion and includes

- applying Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) requirements
- communicating through the chain of command
- communicating with personnel in support vehicles
- constructing a fire control line in forest or scrub environments
- constructing a fire control line adjacent to and at a distance from live fire edge
- identifying hazards and risks including exposures
- implementing industry and organisational standards when operating heavy plant machinery
- implementing safe work procedures
- mopping up and rehabilitating an area
- operating machines in a fire and non-fire environment
- participating in briefing sessions
- performing pre-start checks of heavy plant machinery
- performing basic maintenance and ensuring servicing of heavy plant machines in a fire or non-fire environment
- recognising and considering topographical, vegetation, agricultural, environmental, cultural and heritage factors
- selecting routes for fire control line construction
- working with different types of mop up activities

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements, performance criteria and range of conditions and includes knowledge of

- assessment of hazards and risks including characteristics of trees, topographical factors, vegetation, environmental factors, cultural and heritage factors and agricultural factors
- capabilities of support vehicles

- hazards and risks including exposures
- heavy plant machine capabilities, limitations, design and safety features
- industry and organisational standards for control line, helipad and roadwork construction and rehabilitation activities
- machine maintenance requirements in a fire ground environment
- organisational documentation, policies and procedures
- pre-start and post work check procedures
- safe work procedures including
 - assistance to vehicles and personnel working with machines
 - communication with fire control line supervisors and support vehicles
 - contact and communication with support vehicles
 - Falling Object Protection (FOPs) and Roll Over Protection (ROPs) are correctly fitted and used
 - fire ground emergencies
 - limits of machine capability
 - personal protective clothing and equipment
 - position in relation to live fire edge and fire intensity
 - safe work practices
 - seatbelts being worn in the cabin
 - survival techniques in burn over situations
- topographical, vegetation, environmental, cultural, heritage and agricultural factors
- types of mop up activities
- Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) organisational requirements including risk mitigation

Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the Standards for Registered Training Organisations current at the time of assessment.

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Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Assessment must occur in workplace operational situations. Where this is not appropriate, assessment must occur in industry approved simulated workplace operational situations that reflect workplace conditions.

Competency should be assessed in an organisation or agency approved operational environment or in a field based simulated environment.

Constructing a fire line should be assessed in a forest and/or scrub environment.

Resources for assessment must include access to

- a range of relevant exercises, case studies and/or simulations
- relevant and appropriate materials, equipment, tools and personal protective clothing and equipment currently used in industry including
 - machinery and communications equipment
- applicable documentation including organisational procedures, industry standards, equipment specifications, regulations, codes of practice and operation manuals.

Links

PUA Training Package Companion Volume Implementation Guide is found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=3eca5672-6d5a-410b-8942-810d0ba05bbf>